

Amendments to the Claims

Claim 1 (Previously presented): A method for providing a structured linear database adapted for storage in a machine readable storage medium comprising:

providing a linear file allocation table including a field name for one or more subdivisions of data and pulse start and end position information for each of the field names;

providing a data portion which includes the data corresponding to each field in a predetermined position corresponding to the start and end position information in the file allocation table for each field; and

associating the linear file allocation table and the data portion in a pulse position encoded transmission.

Claim 2 (Previously presented): The method for providing a structured linear database of claim 1 further comprising a routing header portion and a tailbit portion with the linear file allocation table and the data portion.

Claim 3 (Previously presented): The method for providing a structured linear database of claim 1 wherein the structured linear database is transmitted over a telecommunications network.

Claim 4 (Previously presented): The method for providing a structured linear database of claim 1 wherein the structured linear database is transmitted over a time modulated ultra-wide band system.

Claim 5 (Previously presented): The method for providing a structured linear database of claim 1 wherein the structured linear database is transmitted over a fiber optics system.

Claim 6 (Original): A new method of transmitting data from a master to a user, the method comprising:

understanding the type of data to be transmitted from the master;

accessing the data stored by the master;

creating one or more fields corresponding to the type of data to be transmitted;

writing a linear file allocation table giving the name of the field and location within a

: transmission at which the field contents start and stop;

transmitting the linear file allocation table to a user; and

transmitting the data from the master to the user at the location indicated in the linear file allocation table.

Claim 7 (Original): The method of transmitting data from a master to a user of claim 6 wherein the transmission occurs using a time modulated ultra-wide band system.

Claim 8 (Original): The method of transmitting data from a master to a user of claim 6 wherein the transmission occurs using a fiber optic system.

Claims 9-10 (Canceled).

Claim 11 (Original): The method of transmitting data from a master to a user of claim 6 further comprising:

repeating the transmitting of the linear file allocation table to a user; and

repeating the transmitting of the data from the master to the user at the location indicated in the linear file allocation table such that both the linear file allocation table and the data are stored on a transmission system.

Claim 12 (Original): The method of transmitting data from a master to a user of claim 6 wherein the transmitting occurs at a high rate of speed.

Claim 13 (Original): The method of transmitting data from a master to a user of claim 6 wherein the transmitting is highly secure.

Claim 14 (Original): The method of transmitting data from a master to a user of claim 6 wherein the transmitting is done wirelessly.

Claim 15 (Original): The method of transmitting data from a master to a user of claim 6 wherein the data includes streaming data.

Claim 16 (Original): The method of transmitting data from a master to a user of claim 6 wherein the data includes non-streaming data.

Claim 17 (Previously presented): A method of providing universal data exchange, the method comprising:

organizing data into fields;

identifying the fields in a linear file allocation table including pulse start and end information for each of the fields;

providing a receiving device with a driver program capable of understanding the linear file allocation table;

transmitting the linear file allocation table to the receiving device; and

transmitting the data fields identified in the linear file allocation table.

Claim 18 (Original): The method of providing universal data exchange of claim 17 wherein the fields are e-mail type fields.

Claim 19 (Original): The method of providing universal data exchange of claim 17 wherein the fields are business specific type fields.

Claim 20 (Previously presented): The method of providing universal data exchange of claim 17 wherein the fields identified in the linear file allocation table are identified by reference to a standard format which can be understood by the driver program.

Claims 21-34 (Canceled).

Claim 35 (Previously presented): A method of providing universal data exchange, the system comprising:

organizing data into data fields;

identifying the data fields in a linear file allocation table;

providing a receiving device capable of understanding the linear file allocation table;

transmitting the linear file allocation table to the receiving device;

transmitting the data fields identified in the linear file allocation table without separately packetizing the data fields; and

identifying the data fields by the receiving device according to the linear file allocation table.

Claim 36 (Previously presented): The method of providing universal data exchange of claim 35 wherein the fields are e-mail type fields.

Claim 37 (Previously presented): The method of providing universal data exchange of claim 35 wherein the fields are business specific type fields.

Claim 38 (Previously presented): The method of providing universal data exchange of claim 35 wherein the fields identified in the linear file allocation table are identified by reference to a standard format understandable by the receiver device.

Claim 39 (Previously presented): The method of providing universal data exchange of claim 35 wherein digitally encoded data in a public formatted structured linear database is used.

Claim 40 (Previously presented): The method of providing universal data exchange of claim 35 wherein digitally encoded data in a privately formatted structured linear database is used.

Claim 41 (Previously presented): The method of providing universal data exchange of claim 35 wherein the steps of transmitting are performed using time modulated ultra wideband radio frequency transmissions.

Claim 42 (Previously presented): The method of providing universal data exchange of claim 35 wherein the steps of transmitting are performed over guided media.

Claim 43 (Previously presented): The method of providing universal data exchange of claim 35 wherein ultra wideband radio frequency transmissions are performed over non-guided media.

Claim 44 (Previously presented): The method of providing universal data exchange of claim 35 wherein the steps of transmitting use a duplex transmission method.

Claim 45 (Previously presented): The method of claim 41 wherein the transmissions are over guided media.

Claim 46 (Previously presented): The method of claim 45 wherein the transmissions are over non-guided media.

Claim 47 (Previously presented): The method of claim 35 wherein ultra wideband frequency transmissions are performed over guided media.